

**INTER-OFFICE CORRESPONDENCE
MANITOWOC PUBLIC UTILITIES, MANITOWOC, WISCONSIN**



TO: MPU COMMISSIONERS
FROM: NILAKSH KOTHARI
DATE: JULY 14, 2014
SUBJECT: NEIGHBORHOOD DUST ISSUES

Ms. Susanne Skubal of 1232 South 7th Street called Tom Reed on May 23, 2014 and he went over and visited her that day. She expressed her continued concern about black dirt on her porch and gave Tom a wipe sample to examine. Tom reported that the porch did not look that different from what he has observed in the past and that Susanne's main concern appears to be the eventual selling of her house.

Tom provided her a copy of the lab report (MTI Report 1321) performed on samples collected during the last visit in 2012. This report was for two samples collected at different times with the result summaries as follows:

- The morphological analysis results of the wipe sample collected by Susanne on 8/22/11 show that many of the particles analyzed are consistent with limestone or dolomite materials. Some particles are mainly silicon indicating quartz; other particles contain calcium aluminum silicate and potassium aluminum silicate grains. These materials are consistent with sand materials. Distinct coal particles were not observed nor were petroleum coke particles. Limestone and dolomite particles appear to dominate the sample. Note: dolomite (calcium-magnesium-carbonate) is typical Wisconsin limestone and is not used in the boilers where we use calcium carbonate.
- The morphological analysis for the wipe sample collected by Tom on 1/27/12 again indicated that the most abundant materials found appeared to be limestone and dolomite derived particles.

Tom told her this report was different from previous reports and that he could not explain the results (major constituent was dolomite). She said she has a technical friend that would explain it to her. She was leaving shortly for a couple of weeks in Italy and was in good spirits and we have not heard from her since her return.

The May 23, 2014 wipe sample provided by Susanne was again sent to Microbeam Technologies, Inc. for analysis. Attached please find the lab report (MTI Report 1444) for this analysis. Please note: "The results of the analyses indicate that the most abundant materials found appear to be limestone and dolomite derived particles and some quartz particles. Numerous dark particles are present that are carbon based and contain sulfur indicating the likelihood of them being coal or char particles."

Thank you.